



The State of Utah
Department of
Natural Resources
Division of
Oil, Gas & Mining

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RETURN SERVICE REQUESTED

m/049/021

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Mr. Powell 10/21/03

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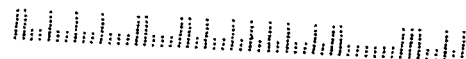
OCT 20 2003

DIV OF OIL GAS & MINING

DAN POWELL
262 S 800 W
PAYSON UT 84651

POWE262 846512006 1703 05 10/15/03
RETURN TO SENDER
POWELL
148 S 100 E
SPANISH FORK UT 84660-2103

HAEZNM 10/21/03



RECLAMATION SURETY ESTIMATE						
Emery Industrial Resources, Inc			last revision		04/23/02	
Cherry Hill Park Mine			filename M049-021 WB2			
DOGM file Number M/049/021			Utah County			
Prepared by Utah State Division of Oil, Gas & Mining						
-Access road, building, loading ramp, & facilities not included in this estimate (0.85 acres) -1.5 acres of the site will not receive topsoil -4.2 acres has been regraded - not seeded -A depth of 6 inches of growth medium to be placed over the entire site, because insufficient amounts of soil for reclamation. Amended reject fines will be used to complete reclamation.						
Note: actual unit costs may vary according to site conditions			last unit cost update		08/02/00	
-Amount of disturbed area which will receive reclamation treatments =			19.75 acres			
-Estimated total disturbed area for this mine =			20.6 acres			
	<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u>	<u>Note</u>
	Safety gates, signs, etc. (mtls & installation)	1	sum	200	200	(1)
	Regrading facilities areas (1ft depth)	15.55	acre	502	7806	(7)
	Ripping pit floors, stockpile & compacted areas	19.75	acre	234	4622	(9)
	Highwall reduction (1800' x 10' @ 3:1)	3000	CY	0.5	1500	(9)
	Topsoil replacement - dozer	4900	CY	0.5	2450	(12)
	Growth medium replacement - dozer	9800	CY	0.5	4900	
	Composted manure (5 ton/acre)	6	acre	150	900	(00)
	Composted manure (10 ton/acre)	13.75	acre	300	4125	(00)
	Broadcast seeding	19.75	acre	225	4444	(00)
	General site cleanup & trash removal	10	acre	50	500	(00)
	Equipment mobilization	1	equip	1000	1000	(00)
	Reclamation supervision	5	days	400	2000	(15)
		Subtotal		34446		
	10% Contingency			3445		
		Subtotal		37891		
	Escalate for 5 years at 2.82% per year			5653		
		Total		43544		
Rounded surety amount in year 2007 \$				43500		
Average cost per disturber acre =		2114				
(1)	DOGM lump sum assumed					
(7)	Means 2000 & Blue Book 3Q/00 Cat D8R, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth					
(9)	Means 2000 & Blue Book 3Q/00 Cat D8R, U, multi shank rippers, speed 1.0 mph					
(12)	Means 2002 & Blue Book 3Q/02 Cat D8R, U, mtl 2550 lb/CY, 100 ft push					
(13)	Means 2002 & Blue Book 3Q/02 Cat 627G P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,					
(00)	DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading					
(00)	DOGM general estimate - broadcast seeding					
(00)	DOGM general estimate - site cleanup & trash removal					
(00)	DOGM general estimate - equipment mobilization					
(15)	Means 2000, 01300-700-0180, project manager, minimum \$1,000/wk					